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2 January 1962

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MEMORATUM FOR THE RECORD

SUBJECT : Change in Current Outstanding Major Technical Problems Since 13 December 1961 - Julip-20 Engine Development

REFERENCE: Memorandum for the Boscord from Development Branch, DFD, dated 13 December 1961, Subject: Current Outstanding Major Technical Problems - JTLID-20 Engine Development (CMC-2794)

- 1. The purpose of this report is to present changes in subject problems since the release of referenced memorandum on 13 December 1961. Attachment 1 indicates these changes and should be read in conjunction with referenced memorandum.
- 2. Some improvement with maximum effort expended has been realised in the areas of reliability, performance, and durability. Little confirmed improvement in spite of maximum effort has been realised in the area of controls due to lack of engine test verification resulting in part from production component delivery alippages.
- 3. As of this date, the four most important outstanding problems appear to be:
 - (a) Turbine Profile/Burner Came.

(b) Rydraulic System Flow Dynamics.

(c) Controls.

(d) Endraulic Pump.

4. The magnitude of these problems, perticularly temperature profile, which has delayed endurance testing, would appear to reader realization of the Harch flight worthiness terget highly questionable.

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Attachment 1 DB/DFD	DOCUMENT NO. NO CHANGE IN CLASS. II DECLASSITED CLASS. CHANGED TO: TS S C NEXT REVIEW DATE: AUTH: HR 70.2 B1B00879R00186007618715WER:	25X1

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